FORM PTO/SB/08A (REV. 10-96) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE Substitute for form 1449A/PTO **INFORMATION DISCLOSURE STATEMENT BY APPLICANT** (Use several sheets if necessary) Sheet 1 of 4	Complete if Known	
	Application Number:	10/647,423
	Filing Date:	August 25, 2003
	First Named Inventor:	BAVYKIN, Sergei G.
	Group Art Unit	1645
	Examiner Name	
	Attorney Docket Number:	21416-94731

A **U.S. PATENT DOCUMENTS**

*Examiner Initials	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A.1				
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	A.13				
	A.14				

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]
	A.15					
	A.16					
	A.17					
	A.18					
	A.19					

EXAMINER		DATE CONSIDERED	3/14/06

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[1] Applicant's unique citation designation number (optional). [2] See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. [3] Enter Office that issued tl document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. [6] Applicant is to place a check ma here if English language Translation is attached.

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	Application Number	10/647,423
	Filing Date	August 25, 2003
	First Named Inventor	BAVYKIN, Sergei G..
	Group Art Unit	1645
	Examiner Name	not yet assigned
	Attorney Docket Number	21416/94731

B	OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No.[1]	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
SW	B.1	ASH, C., et al. 1992. "Comparative analysis of 23S ribosomal RNA gene sequences of *Bacillus anthracis* and emetic *Bacillus cereus* determined by PCR-directsequencing." FEMS Microbiol. Lett. 94:75-80.	
SW	B.2	ASH, C., et al. 1991. "Comparative analysis of *Bacillus anthracis*, *Bacillus cereus*, and related species on the basis of reverse transcriptase sequencing of 16S rRNA." Int. J. Syst. Bacteriol. 41:343-346.	
SW	B.3	ASH, C., et al. 1991. "Phylogenetic heterogeneity of the genus Bacillus revealed by comparative analysis of small-subunit-ribosomal RNA sequences." Lett. Appl. Microbiol. 3:202-206.	
SW	B.4	BAVYKIN, S. G. et al. 2001. "Portable system for microbial sample preparation and oligonucleotide microarray analysis." Appl. Environ. Microbiol., 67: 922-928.	
SW	B.5	BEYER, W., et al. 1996. "A nested PCR and DNA-amplification-fingerprinting method for detection and identification of Bacillus anthracis in soil samples from former tanneries." Salisbury Medical Bulletin, Special Supplement No. 87:47-49.	
SW	B.6	CHEE, M., et al. 1996. "Accessing genetic information with high-density DNA arrays." Science 274: 610-614.	
SW	B.7	DAFFONCHIO, D., et al. 2000. "Homoduplex and heteroduplex polymorphisms of the amplified ribosomal 16S-23S internal transcribed spacers describe genetic relationships in the '*Bacillus cereus* Group.'" Appl. Environ. Microbiol. 66:5460-5468.	
SW	B.8	GIFFEL, M.C., et al. 1997. "Discrimination between *Bacillus cereus* and *Bacillus thuringiensis* using specific DNA probes based in variable regions of 16S rRNA. FEMS Microbiol." Lett. 146:47-51.	
SW	B.9	GUSCHIN, D., et al. 1997. "Manual manufacturing of oligonucleotide, DNA, and protein microchips." Anal. Biochem. 250:203-211.	
SW	B.10	GUSHIN, D. Y., et al. 1997. "Oligonucleotide microchips as genosensors for determinative and environmental studies in microbiology." Appl. Environ. Microbiol. 63:2397-2402.	
SW	B.11	HARRELL, L. J., et al. 1995. "Genetic variability, of *Bacillus anthracis* and related species." J. Clin Microbiol. 33:1847-1850.	
SW	B.12	HELGASON, E., et al. 2000. "*Bacillus anthracis*, *Bacillus cereus*, and *Bacillus thuringiensis*-one species on the basis of genetic evidence." Appl. Environ. Microbiol. 66:2627-2630.	
EXAMINER	Sa Woolwine	DATE CONSIDERED	3/14/06

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(REV. 10-96) PATENT AND TRADEMARK OFFICE Substitute for form 1449A/PTO		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application Number	10/647,423
	Filing Date	August 25, 2003
	First Named Inventor	BAVYKIN, Sergei G..
	Group Art Unit	1645
(Use several sheets if necessary)	Examiner Name	not yet assigned
Sheet 3 of 4	Attorney Docket Number	21416/94731

C	**OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**		
Examiner Initials*	Cite No.[1]	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
SW	C.1	HENDERSON, I. 1996. "Fingerprinting *Bacillus anthracis* strains." Salisbury Medical Bulletin, Special Supplement No. 87:55-58.	
SW	C.2	HENDERSON, I., et al. 1994. "Differentiation of *Bacillus anthracis* from other *Bacillus cereus* group bacteria with the PCR." Int. J. Syst. Bacteriol. 44:99-105.	
SW	C.3	HENDERSON, I., et al. 1995. "Differentiation of *Bacillus anthracis* and other *Bacillus cereus* group bacteria using IS231-derived sequences." FEMS Microbiol. Lett. 128:113-118.	
SW	C.4	HUTSON, R. A., et al. 1993. "The development and assessment of DNA and oligonucleotide probes for the specific detection of *Bacillus anthracis*." J. Appl. Bacteriol. 75:463-472.	
SW	C.5	JACKSON, P. J., et al. 1999. "Genetic comparison of *Bacillus anthracis* and its close relatives using amplified fragment length polymorphism and polymerase chain reaction analysis." J. Appl. Microbiol. 87:263-269.	
SW	C.6	KIEM, P., et al. 1997. "Molecular evolution and diversity in *Bacillus anthracis* as detected by amplified fragment length polymorphism markers." J. Bacteriol. 179:818-824.	
SW	C.7	LONGCHAMP, P., et al. 1999. "Molecular recognition specificity of Bacillus anthracis spore antibodies." J. Appl. Microbiol. 87:246-249.	
SW	C.8	PATRA, G., et al. 1996. "DNA fingerprinting of *Bacillus anthracis* strains." Salisbury Medical Bulletin, Special Supplement No. 87:59.	
SW	C.9	PATRA, G., et al. 1996. "Isolation of a specific chromosomic DNA sequence of *Bacillus anthracis* and its possible use in diagnosis." EMS Immunol. Med. Microbiol. 15:223-231.	
SW	C.10	PRIEST, F. G., et al. 1994. "Characterization of *Bacillus thuringiensis* and related bacteria by ribosomal RNA gene restriction fragment length polymorphisms." Microbiology 140:1015-1022.	
SW	C.11	PROUDNIKOV, D., et al. 1998. "Immobilization of DNA in polyacrylamide gel for the manufacture of DNA and DNA-oligonucleotide microchips." Anal. Biochem. 259:34-41.	
SW	C.12	RAMISSE, V., et al. 1996. "Identification and characterization of *Bacillus anthracis* by multiplex PCR analysis of sequences on plasmids pX01 and pX02 and chromosomal DNA." FEMS Microbiol. Lett. 145:9-16.	
EXAMINER		DATE CONSIDERED	3/14/06

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	Application Number	10/647,423
	Filing Date	August 25, 2003
	First Named Inventor	BAVYKIN, Sergei G..
	Group Art Unit	1645
	Examiner Name	not yet assigned
	Attorney Docket Number	21416/94731

D	OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No.[1]	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
SW	D.1	RYZHOV, V., et al. 2000. "Rapid characterization of spores of *Bacillus cereus* group bacteria by matrix-assisted laser desorption-ionization time-of-flight mass spectrometry." Appl Environ. Microbiol. 66:3828-3834.	
SW	D.2	SHANGKUAN, Y.-H., ET AL. 2000. "Comparison of PCR-RFLP, ribotyping and ERIC-PCR for typing *Bacillus anthracis* and *Bacillus cereus* strains. J. Appl. Microbiol. 89:452-462.	
SW	D.3	STRIZHKOV, B. N., et al. 2000. "PCR amplification on a microarray of gel-immobilized oligonucleotides: detection of bacterial toxin- and drug-resistant genes and their mutations." BioTechniques 29:844-857.	
SW	D.4	WUNSCHEL, D., et al. 1994. "Discrimination among the *Bacillus cereus* group, in comparison to B.subtilis, by structural carbohydrate profiles and ribosomal RNA spaser region PCR." Syst. Appl. Microbiol. 17:625-635.	
SW	D.5	YERSHOV, G., et al. 1996. "DNA analysis and diagnostics on oligonucleotide microchips." Proc. Natl. Acad. Sci. USA. 93:4913-4918.	
SW	D.6	ZLATANOVA, J., et al. 2001. "Gel immobilized microarrays of nucleic acids and proteins." In J. B. Rampal (ed.), Methods in Molecular Biology: DNA Arrays, Methods, and Protocols, in press, Human Press, Inc., Totowa, NJ.	
	D.7		
	D.8		
	D.9		
	D.10		
	D.11		
	D.12		
EXAMINER	Jan Wood	DATE CONSIDERED	3/14/06

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